Remarks

In response to the Notification of Defective Response having a mailing date of June 10, 2002, Applicants have prepared this amendment to direct the insertion of the "Sequence Listing" into the specification.

Applicants respectfully assert that all amendments are fairly based on the specification, and respectfully request their entry.

Early and favorable consideration is requested.

Respectfully submitted,

Royal N. Ronning, Jr. 32,

Attorney for Applicants

Amersham Biosciences Corp. 800 Centennial Avenue P. O. Box 1327 Piscataway, NJ 08855-1327

Tel: (732) 457-8423 Fax: (732) 457-8463

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on 2/ Jun 02.

PA9816.ST25 SEQUENCE LISTING

• • • • •

```
<110> Storey, Anthony E
     Mendizabal, Marivi
      Champion, Susan
      Gibson, Alex
      Guilbert, Benedicte
      Wilson, Ian A
      Knox, Peter
<120> Labelled Glutamine and Lysine Analogues
<130> PA-9816
<140> 09/674,616
<141> 1999-05-14
<150> PCT/GB99/01550
<151> 1999-05-14
<150> EP 98303872.0
<151> 1998-05-15
<160>
     29
<170> PatentIn version 3.1
<210>
<211> 12
<212> PRT
<213> synthetic peptide
<400> 1
Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys
                5
                                    10
<210>
      2
<211> 13
<212> PRT
<213> synthetic peptide
<400>
      2
Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly
                                    10
```

. .

```
<210>
      3
<211>
      13
<212>
      PRT
<213> synthetic peptide
<400> 3
Asn Gln Glu Ala Val Ser Pro Tyr Thr Leu Leu Lys Gly
                                    10
<210>
      4
<211>
      13
<212>
      PRT
<213>
      synthetic peptide
<400>
      4
Asn Ala Glu Ala Val Ser Pro Tyr Thr Leu Leu Lys Gly
<210>
      5
<211>
      13
<212>
      PRT
<213>
      synthetic peptide
<400>
     5
Asn Gln Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly
                5
1
                                    10
<210> 6
<211>
      3
<212> PRT
<213>
      synthetic peptide
<400>
Asn Gln Gly
1
<210>
      7
<211> 6
<212> PRT
```

4 C 1 4

```
<213>
     synthetic peptide
<400>
      7
Asn Gln Glu Gln Val Gly
<210> 8
<211> 9
<212> PRT
<213> synthetic peptide
<400> 8
Asn Gln Glu Gln Val Ser Pro Tyr Gly
                5
<210> 9
<211>
      13
<212>
      PRT
<213>
     synthetic peptide
<400> 9
Asn Gln Glu Gln Val Ser Pro Leu Thr Leu Leu Lys Gly
                                    10
<210>
      10
<211>
      13
<212>
     PRT
<213>
      synthetic peptide
<220>
<221> MISC FEATURE
<222>
      (8)..(8)
<223>
      MISC FEATURE "Xaa" = 2-napthylalanine
<400>
     10
Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly
                5
1
                                    10
<210> 11
```

```
PA9816.ST25
synthetic peptide
```

. 1 . .

<222> (8)..(8)MISC_FEATURE "Xaa" = pBr-Phe <223>

MISC_FEATURE

<400> 11

<211>

<212>

<213>

<220>

<221>

13

PRT

Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly 5 1 10

```
<210>
      12
<211>
      13
<212> PRT
<213> synthetic peptide
<220>
<221>
      MISC FEATURE
<222>
       (8)..(8)
```

<223> MISC FEATURE "Xaa" = I-Tyr

<400> 12

Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly

```
<210>
      13
<211>
      13
<212>
      PRT
<213>
       synthetic peptide
<220>
      MISC_FEATURE
<221>
<222>
```

(8)..(8)<223> MISC FEATURE "Xaa" = I2-Tyr

<400> 13

Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Lys Gly 1 5 10

Page 4

4 P) (

```
<210>
      14
<211>
      13
<212>
      PRT
<213>
      synthetic peptide
<220>
<221> MISC FEATURE
<222> (12)..(12)
<223> MISC_FEATURE "Xaa" = D-Lys
<400>
      14
Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Xaa Gly
                                    10
      15
<210>
<211> 13
<212> PRT
<213> synthetic peptide
<220>
<221> MISC FEATURE
<222>
      (8)..(8)
<223>
      MISC FEATURE "Xaa" = D-Tyr
<220>
<221> MISC FEATURE
<222> (12)..(12)
<223> MISC_FEATURE "Xaa" = D-Lys
<400>
      15
Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly
                5
                                    10
<210>
      16
<211>
      13
<212>
      PRT
<213>
      synthetic peptide
<220>
```

e 6 1 1

```
<221> MISC FEATURE
<222> (6)..(6)
<223> MISC FEATURE "Xaa" = D-Ser
<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> MISC_FEATURE "Xaa" = D-Tyr
<220>
<221> MISC_FEATURE
<222> (12)..(12)
<223> MISC_FEATURE "Xaa" = D-Lys
<400>
      16
Asn Gln Glu Gln Val Xaa Pro Xaa Thr Leu Leu Xaa Gly
<210> 17
<211> 13
<212> PRT
<213> synthetic peptide
<220>
<221> MISC FEATURE
<222>
      (5)..(5)
<223> MISC FEATURE"Xaa" = D-Val
<220>
<221> MISC FEATURE
<222> (6)..(6)
<223>
      MISC_FEATURE "Xaa" = D-Ser
<220>
<221> MISC FEATURE
<222> (8)..(8)
<223> MISC FEATURE "Xaa" = D-Tyr
<220>
<221> MISC_FEATURE
```

COLUMN

```
<222> (12)..(12)
<223>
      MISC FEATURE "Xaa" = D-Lys
<400>
      17
Asn Gln Glu Gln Xaa Xaa Pro Xaa Thr Leu Leu Xaa Gly
<210>
      18
<211>
      13
<212>
      PRT
<213> synthetic peptide
<220>
<221> MISC_FEATURE
<222>
      (1)..(1)
<223> MISC FEATURE "Xaa" = D-Asn
<220>
<221>
      MISC FEATURE
<222>
      (8)..(8)
<223>
      MISC FEATURE "Xaa" = D-Tyr
<220>
<221> MISC FEATURE
<222>
      (12)..(12)
<223> MISC_FEATURE "Xaa" = D-Lys
<400>
      18
Xaa Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly
                5
<210>
      19
<211>
      13
<212> PRT
<213>
      synthetic peptide
<220>
<221>
      MISC FEATURE
<222>
      (8)..(8)
<223>
      MISC_FEATURE "Xaa" = D-Tyr
```

. . .

```
<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> MISC_FEATURE "Xaa" = beta-Ala
<220>
<221> MISC FEATURE
<222> (12)..(12)
<223>
      MISC_FEATURE "Xaa" = D-Lys
<400> 19
Asn Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Xaa
                                    10
<210> 20
<211>
      12
<212> PRT
<213> synthetic peptide
<220>
<221> MISC FEATURE
<222> (7)..(7)
<223> MISC_FEATURE "Xaa" = D-Tyr
<220>
<221> MISC FEATURE
<222> (11)..(11)
      MISC_FEATURE "Xaa" = D-Lys
<223>
<400>
     20
Gln Glu Gln Val Ser Pro Xaa Thr Leu Leu Xaa Gly
                5
<210> 21
<211>
      13
<212> PRT
<213> synthetic peptide
```

a 46 j 🕝

```
<220>
<221> MISC FEATURE
<222>
      (5)..(12)
<223> MISC FEATURE = D-amino acids
<400> 21
Asn Gln Glu Gln Val Ser Pro Tyr Thr Leu Leu Lys Gly
                                   10
<210> 22
<211> 9
<212> PRT
<213> synthetic peptide
<220>
<221> MISC_FEATURE
<222> (2)..(9)
<223> MISC FEATURE = D-amino acids
<400> 22
Gly Lys Leu Leu Thr Tyr Pro Ser Val
                5
<210> 23
<211> 9
<212> PRT
<213> synthetic peptide
<220>
<221> MISC FEATURE
<222> (5)..(5)
      MISC FEATURE "Xaa" = D-Val
<223>
<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223>
      MISC FEATURE "Xaa" = O-methyl serine
<400> 23
```

> |#| } F

```
PA9816.ST25
Asn Gln Gln Xaa Xaa Pro Leu Gly
                5
<210>
      24
<211>
      13
<212>
      PRT
<213>
       synthetic peptide
<400>
       24
Asn Gln Glu Gln Val Ser Pro Tyr Ala Ala Ala Gly
<210>
       25
<211>
      10
<212>
      PRT
<213>
      synthetic peptide
<400>
     25
Leu Gly Pro Gly Gln Ser Lys Val Ile Gly
                5
                                    10
<210> 26
<211> 6
<212>
      PRT
<213>
      synthetic peptide
<220>
<221>
      MISC_FEATURE
<222>
       (1)..(1)
      MISC_FEATURE "Xaa" = pyro-Glu
<223>
<400> 26
Xaa Ala Gln Ile Val Gly
<210>
       27
<211>
      12
<212>
       PRT
<213>
       synthetic peptide
```

<400> 27

Leu Glu Phe Asp Thr Gln Ser Lys Asn Ile Leu Gly 1 5 10

<210> 28

<211> 7

<212> PRT

<213> synthetic peptide

<400> 28

Gly Gln Asp Pro Val Lys Gly
1 5

<210> 29

<211> 12

<212> PRT

<213> synthetic peptide

<400> 29

Tyr Glu Val His His Gln Lys Leu Val Phe Phe Gly $1 \hspace{1cm} 5 \hspace{1cm} 10$